Nuclear Instruments and Methods in Physics Research B 130 (1997) 751–763

ELSEVIER

NIM B
Beam Interactions with Materials & Atoms

Author index

Abell, R., see Hickmott, D.D. 130 (1997) 564
Adamczewsky, J., D. Löffelmacher, J. Meijer, A. Stephan, H.H. Bukow and C. Rolfs, Layout of a nuclear microprobe beamline using a liquid metal ion source 130 (1997) 57
Adler, E., see Fischer, B.E. 130 (1997) 478
Ahmed, M., see Khandaker, N.I. 130 (1997) 654
Aïssa, M., see Volfinger, M. 130 (1997) 692
Al-Ohali, M.M., see Khandaker, N.I. 130 (1997) 654
Andeweg, A.H., S. Ballestrero, J.U.M. Beer, J.E. Butler, M.B.H. Breese, S.H. Connell, L. Dini, B.P. Doyle, M.L. Drummond, P. Formenti, R.J. Hart, I.Z. Machi, R.D. Maclear, I.D. McQueen, P. Schaaff, E. Sideras-Haddad, J.P.F. Sellschop and G. Wernick, The Schonland Micro-Scanning Ion Beam Analysis Facility 130 (1997) 37
Antolak, A., see Formenti, P. 130 (1997) 230
Antolak, A.J., D.H. Morse, D.W. Heikkinen, M.L. Roberts and G.S. Bench, In situ characterization of micron-scale particles by nuclear microscopy 130 (1997) 211
Antolak, A.J., see Morse, D.H. 130 (1997) 740
Arndt, P., E.K. Jessberger, M. Maetz, D. Reimold and K. Traxel, On the accuracy of element concentrations and masses of micron sized samples determined with the Heidelberg proton microprobe 130 (1997) 192
Arndt, P., see Wallianos, A. 130 (1997) 144
Ashbaugh, M.D., see Keith, R.L. 130 (1997) 358
Ashbaugh, M.D., see McIntyre Jr., L.C. 130 (1997) 45
Aton, T., J. Seitchik, S.-H. Yang and H. Shichijo, Ion beam studies of events typical of soft errors in semiconductor memories 130 (1997) 507

Baker, A.J.M., see Krämer, U. 130 (1997) 346
Bakhru, H., see Kumar, A. 130 (1997) 219
Ballestrero, S., see Andeweg, A.H. 130 (1997) 37
Barak, J., see Fischer, B.E. 130 (1997) 478
Baumgartner, L.P., see Hickmott, D.D. 130 (1997) 660
Bay, B.H., see Thong, P.S.P. 130 (1997) 351
Beckman, D.R., A. Saint, P. Gonon, D.N. Jamieson, S. Prawer and R. Kalish, Spatially resolved imaging of charge collection efficiency in polycrystalline CVD diamond by the use of ion beam induced current 130 (1997) 518
Beer, J.U.M., see Andeweg, A.H. 130 (1997) 37
Bénard, J., see Ortega, R. 130 (1997) 449
Bench, G., S. Freeman, M. Roberts and E. Sideras-Haddad, The bioscience nuclear microscopy program at LLNL . . 130 (1997) 419
Bench, G., see Formenti, P. 130 (1997) 230
Bench, G.S., see Antolak, A.J. 130 (1997) 211
Bench, G.S., see Morse, D.H. 130 (1997) 740
Bench, G.S., see Sideras-Haddad, E. 130 (1997) 259
Berger, P., G. Moulin and M. Viennot, Nuclear microprobe study of stress-oxidation of nickel 130 (1997) 717
Berthier, B., E. Berthoumieux, J.P. Gallien, C. Moreau and A.C. Raoux, Nuclear models and microanalysis 130 (1997) 224
Berthoumieux, E., see Berthier, B. 130 (1997) 224
Betancourt, P.P., see Swann, C.P. 130 (1997) 320
Bettiol, A.A., K.W. Nugent and D.N. Jamieson, The characterisation of high-grade synthetic quartz, corundum and spinel using ionoluminescence (IL) 130 (1997) 734
Bharuth-Ram, K., see Doyle, B.P. 130 (1997) 204
Bogdanović, I., S. Fazinić, M. Jakšić, E. Vittone and C. Manfredotti, Imaging of radiation detectors properties by IBIC 130 (1997) 513
Bogdanovic, I., see Manfredotti, C. 130 (1997) 491
Bogdanović, I., see Tadić, T. 130 (1997) 237
Borgardt, J., see McIntyre Jr., L.C. 130 (1997) 45
Bourcier, W., see Sideras-Haddad, E. 130 (1997) 259
Bowey, G., see Folkard, M. 130 (1997) 270

0168-583X/97/$17.00 © 1997 Elsevier Science B.V. All rights reserved

Brazhnik, V., S. Lebed, W. Kwiatek, Z. Stachura, M. Cholewa, D. Jamieson and G. Legge, Numerical optimization of a short version of proton microprobe focusing system in the Institute of Nuclear Physics in Cracow 130 (1997) 104
Breese, M.B.H., see Andeweg, A.H. 130 (1997) 37
Breese, M.B.H., see Formenti, P. 130 (1997) 230
Breese, M.B.H., see Horn, K.M. 130 (1997) 470
Breese, M.B.H., see Schöne, H. 130 (1997) 551
Briggs, R.D., see Schöne, H. 130 (1997) 551
Britton, D.T., see Triftshäuser, W. 130 (1997) 264
Bruhn, F., C. Korte, J. Meijer, A. Stephan and J. Veizer, Trace element concentrations in conodonts measured by the Bochum proton microprobe 130 (1997) 636
Bubb, I.F., see Walker, S.R. 130 (1997) 166
Buerte, E.P., see Park, Y.K. 130 (1997) 728
Bukow, H.H., see Adamczewsky, J. 130 (1997) 57
Burkhart, J.H., see Schöne, H. 130 (1997) 543
Busk, H., see Kristiansson, P. 130 (1997) 303
Butler, J.E., see Andeweg, A.H. 130 (1997) 37
Butler, J.E., see Doyle, B.P. 130 (1997) 204
Butz, T., see Mous, D.J.W. 130 (1997) 31

Caffee, M.W., see Sideras-Haddad, E. 130 (1997) 259
Campbell, J.L., G.K. Czamanske, L. MacDonald and W.J. Teesdale, Quantitative analysis of major elements in silicate minerals and glasses by micro-PIXE 130 (1997) 608
Casalnuovo, S.A., see Schöne, H. 130 (1997) 551
Cervellera, F., C. Donolato, G.P. Egeni, G. Fortuna, R. Nipoti, P. Polesello, P. Rossi, V. Rudello, E. Vittone and M. Viviani, The Legnaro ion microprobe in low current experiments 130 (1997) 25
Chan, D.S.H., see Osipowicz, T. 130 (1997) 503
Chayahara, A., see Mokuno, Y. 130 (1997) 243
Chen, Y., J. Zhu, R. Lu, X. Wu, Y. Gu, X. Li and Q. Zhang, Application of nuclear microprobe to the study of metasomatism in mantle peridotites 130 (1997) 700
Chen, Y., see Li, X. 130 (1997) 149
Chen, Y., see Li, X. 130 (1997) 617
Choï, C.G., see Volfinger, M. 130 (1997) 692
Cholewa, M., A. Saint, G.J.F. Legge and T. Kamiya, Design of a single ion hit facility 130 (1997) 275
Cholewa, M., see Brazhnik, V. 130 (1997) 104
Cholewa, M., see Sakellariou, A. 130 (1997) 253
Churms, C.L., V.M. Prozesky and K.A. Springhorn, Novel method of nuclear microprobe beam profile determination . 130 (1997) 70
Churms, C.L., see Rousseau, P.D.S. 130 (1997) 582
Churms, C.L., see de Waal, H.S. 130 (1997) 722
Clocchiatti, R., see Mosbah, M. 130 (1997) 171
Cohen, D.D., see Walker, S.R. 130 (1997) 166
Connell, S.H., R.J. Hart, P. Formenti, J.P.F. Sellschop and A. Wittenberg, Proton probe quantitative trace elemental microscopy of kyanite bearing eclogytic samples 130 (1997) 641
Connell, S.H., see Andeweg, A.H. 130 (1997) 37
Connell, S.H., see Doyle, B.P. 130 (1997) 204
Connell, S.H., see Formenti, P. 130 (1997) 230
Connell, S.H., see Sideras-Haddad, E. 130 (1997) 259
Coote, G.E., Iterative smoothing and deconvolution of one- and two-dimensional elemental distribution data 130 (1997) 118
Coote, G.E., T.W. Cutress and G.W. Suckling, Uptake of fluoride into developing sheep teeth, following the 1995 volcanic eruption of Mt Ruapehu, New Zealand 130 (1997) 571
Cutress, T.W., see Coote, G.E. 130 (1997) 571
Czamanske, G.K., see Campbell, J.L. 130 (1997) 608

Danersund, A., see Lindh, U. 130 (1997) 406
Datzmann, G., see Hinderer, G. 130 (1997) 51
Demortier, G., see Ruvalcaba-Sil, J.L. 130 (1997) 297
Denniston, R.F., see Hickmott, D.D. 130 (1997) 564
De Reuck, J., see Van Lierde, S. 130 (1997) 444
De Voigt, M.J.A., see Rokita, E. 130 (1997) 138
De Voigt, M.J.A., see Simons, D.P.L. 130 (1997) 160
De Waal, H.S., R. Pretorius, V.M. Prozesky and C.L. Churms, The study of voids in the Au–Al thin-film system using the nuclear microprobe 130 (1997) 722

Dini, L., see Andeweg, A.H. 130 (1997) 37
Dodd, P.E., see Horn, K.M. 130 (1997) 470
Dollinger, G., see Hinderer, G. 130 (1997) 51
Donolato, C., see Cervellera, F. 130 (1997) 25
Dooley, S.P., see Walker, S.R. 130 (1997) 166
Dose, V., see Prozesky, V.M. 130 (1997) 113
Doyle, B.L., see Horn, K.M. 130 (1997) 470
Doyle, B.L., see Paxton, A.H. 130 (1997) 539
Doyle, B.L., see Schöne, H. 130 (1997) 543
Doyle, B.L., see Schöne, H. 130 (1997) 551
Doyle, B.P., R.D. Maclear, S.H. Connell, P. Formenti, I.Z. Machi, J.E. Butler, P. Schaaff, J.P.F. Sellschop, E. Sideras-Haddad and K. Bharuth-Ram, 3-D-micro-ERDA microscopy of trace hydrogen distributions in diamond using a 2-D-PSD with event reconstruction 130 (1997) 204
Doyle, B.P., see Andeweg, A.H. 130 (1997) 37
Doyle, B.P., see Formenti, P. 130 (1997) 230
Drummond, M.L., see Andeweg, A.H. 130 (1997) 37
Drummond, M.L., see Formenti, P. 130 (1997) 230
Drummond, T.J., see Schöne, H. 130 (1997) 551
Dujmić, D., see Tadić, T. 130 (1997) 237
Duraud, J.-P., see Mosbah, M. 130 (1997) 171
Duraud, J.-P., see Mosbah, M. 130 (1997) 182
Durholtz, M.D., see Lipinski, M.R. 130 (1997) 374
Dymnikov, A.D. and G. Martínez, Optimal electrostatic axisymmetric microprobe focusing system 130 (1997) 74
Dymnikov, A.D. and G. Martínez, Optimal magnetic and electrostatic Russian Quadruplet microprobe lens system with high demagnification 130 (1997) 64
Dytlewski, N., see Walker, S.R. 130 (1997) 166

Edon, M., see Volfinger, M. 130 (1997) 692
Egeni, G., see Manfredotti, C. 130 (1997) 491
Egeni, G.P., see Cervellera, F. 130 (1997) 25
Elfman, M., P. Kristiansson, K. Malmqvist, J. Pallon, A. Sjöland, R. Utui and C. Yang, New CAMAC based data acquisition and beam control system for Lund nuclear microprobe 130 (1997) 123
Elfman, M., see Kristiansson, P. 130 (1997) 303
Elfman, M., see Pallon, J. 130 (1997) 199
Elfman, M., see Pallon, J. 130 (1997) 454
Elfman, M., see Sjöland, K.A. 130 (1997) 20
Elfman, M., see Utui, R.J. 130 (1997) 687
Elfman, M., see Yang, C. 130 (1997) 746

Fazinić, S., see Bogdanović, I. 130 (1997) 513
Fernando, Q., see Keith, R.L. 130 (1997) 358
Fernando, Q., see McIntyre Jr., L.C. 130 (1997) 45
Fischer, B.E., M. Schlögl, J. Barak, E. Adler and S. Metzger, Simultaneous imaging of upset- and latchup-sensitive regions in a static RAM 130 (1997) 478
Fischer, R., see Prozesky, V.M. 130 (1997) 113
Fizzotti, F., see Manfredotti, C. 130 (1997) 491
Flagmeyer, R.-H., see Mous, D.J.W. 130 (1997) 31
Fleming, S., see Swann, C.P. 130 (1997) 320
Floyd, C.R., see Swann, C.P. 130 (1997) 320
Folkard, M., B. Vojnovic, G. Schettino, M. Forsberg, G. Bowey, K.M. Prise, B.D. Michael, A.G. Michette and S.J. Pfauntsch, Two approaches for irradiating cells individually: a charged-particle microbeam and a soft X-ray microprobe 130 (1997) 270
Formenti, P., M.B.H. Breese, S.H. Connell, B.P. Doyle, M.L. Drummond, I.Z. Machi, R.D. Maclear, P. Schaaff, J.P.F. Sellschop, G. Bench, E. Sideras-Haddad, A. Antolak and D. Morse, Heavy ion and proton beams in high resolution imaging of a fungi spore specimen using STIM tomography 130 (1997) 230
Formenti, P., see Andeweg, A.H. 130 (1997) 37
Formenti, P., see Connell, S.H. 130 (1997) 641
Formenti, P., see Doyle, B.P. 130 (1997) 204
Forsberg, M., see Folkard, M. 130 (1997) 270
Forslind, B., see Pallon, J. 130 (1997) 454
Fortuna, G., see Cervellera, F. 130 (1997) 25

Freeman, S., see Bench, G. . . . 130 (1997) 419
Frei, R., V.M. Prozesky and W. Przybylowicz, Studies of progressive leaching in single mineral Pb/Pb dating 130 (1997) 676
Frisk, P., see Lindh, U. . . . 130 (1997) 406
Fritz, I.J., see Schöne, H. . . . 130 (1997) 551
Fujii, K., see Kishimoto, T. . . . 130 (1997) 524
Fujii, K., see Mokuno, Y. . . . 130 (1997) 243
Fujii, K., see Park, Y.K. . . . 130 (1997) 728

Gallien, J.P., see Berthier, B. . . . 130 (1997) 224
Gan, L.H., see Springham, S.V. . . . 130 (1997) 155
Gandolfi, A.J., see Keith, R.L. . . . 130 (1997) 358
Gandolfi, A.J., see McIntyre Jr., L.C. . . . 130 (1997) 45
Garwan, M.A., M.S. Musazay and G.W. Grime, μ-PIXE trace element analysis of crude oil 130 (1997) 649
Garwan, M.A., see Khandaker, N.I. . . . 130 (1997) 654
Gauerke, E.R., see Hickmott, D.D. . . . 130 (1997) 564
George, M., see Hickmott, D.D. . . . 130 (1997) 564
Gonon, P., see Beckman, D.R. . . . 130 (1997) 518
Gouget, B., see Ortega, R. . . . 130 (1997) 449
Grime, G.W., see Garwan, M.A. . . . 130 (1997) 649
Grime, G.W., see Krämer, U. . . . 130 (1997) 346
Grime, G.W., see Maenhaut, W. . . . 130 (1997) 576
Grime, G.W., see Pålsgård, E. . . . 130 (1997) 431
Gu, Y., see Chen, Y. . . . 130 (1997) 700
Gu, Y., see Li, X. . . . 130 (1997) 617
Guerreiro, F.M., see Utui, R.J. . . . 130 (1997) 687

Haberl, A., see Kumar, A. . . . 130 (1997) 219
Hafich, M.J., see Schöne, H. . . . 130 (1997) 551
Haitsma, R.G., see Mous, D.J.W. . . . 130 (1997) 31
Hallbauer, D.K., see Pineda, C.A. . . . 130 (1997) 628
Hamano, T., M. Takebe, T. Hirao, I. Nashiyama, T. Kamiya, T. Suda and T. Sakai, Development of high-resolution single-ion PSD using random access memories 130 (1997) 280
Hamano, T., see Hirao, T. . . . 130 (1997) 486
Hamano, T., see Kamiya, T. . . . 130 (1997) 285
Hamano, T., see Sakai, T. . . . 130 (1997) 498
Hariri, M.M., see Khandaker, N.I. . . . 130 (1997) 654
Hart, R.J., see Andeweg, A.H. . . . 130 (1997) 37
Hart, R.J., see Connell, S.H. . . . 130 (1997) 641
Hawes, C.R., see Krämer, U. . . . 130 (1997) 346
He, Y., see Thong, P.S.P. . . . 130 (1997) 460
Heikkinen, D., see Sideras-Haddad, E. . . . 130 (1997) 259
Heikkinen, D.W., see Antolak, A.J. . . . 130 (1997) 211
Heikkinen, D.W., see Morse, D.H. . . . 130 (1997) 740
Herrin, J.M., see Hickmott, D.D. . . . 130 (1997) 564
Hickmott, D.D., B.E. Treves, G.T. Roselle and L.P. Baumgartner, Micro-PIXE analysis of carbonates and silicates: Tracking fluid flow in crustal environments 130 (1997) 660
Hickmott, D.D., J.M. Herrin, R. Abell, M. George, J. Stimac, E.R. Gauerke and R.F. Denniston, Environmental applications of the LANL nuclear microprobe 130 (1997) 564
Hinderer, G., G. Dollinger, G. Datzmann and H.J. Körner, Design of the new superconducting microprobe system in Munich 130 (1997) 51
Hirao, T., I. Nashiyama, T. Kamiya, T. Suda, T. Sakai and T. Hamano, Effect of ion position on single-event transient current 130 (1997) 486
Hirao, T., see Hamano, T. . . . 130 (1997) 280
Hirao, T., see Kamiya, T. . . . 130 (1997) 285
Hirao, T., see Nishijima, T. . . . 130 (1997) 528
Hirao, T., see Sakai, T. . . . 130 (1997) 498
Hogarth, A.N., P.S.P. Thong, D.J.W. Lane and F. Watt, Nuclear microscope analysis of blood cells from the tropical ascidian *Phallusia philippinensis* 130 (1997) 402
Horino, Y., see Kishimoto, T. . . . 130 (1997) 524
Horino, Y., see Mokuno, Y. . . . 130 (1997) 243
Horino, Y., see Park, Y.K. . . . 130 (1997) 728

Horn, K.M., P.E. Dodd, M.B.H. Breese and B.L. Doyle, Verification of three-dimensional charge transport simulations using ion microbeams 130 (1997) 470
Hudecek, R., see Lindh, U. 130 (1997) 406

Inuishi, M., see Kishimoto, T. 130 (1997) 524

Jacobson, L., see Pineda, C.A. 130 (1997) 628
Jakšić, M., see Bogdanović, I. 130 (1997) 513
Jakšić, M., see Tadić, T. 130 (1997) 237
Jaksic, M., see Manfredotti, C. 130 (1997) 491
Jamieson, D., see Brazhnik, V. 130 (1997) 104
Jamieson, D.N., Recent applications of nuclear microprobe analysis to frontier materials 130 (1997) 706
Jamieson, D.N., see Beckman, D.R. 130 (1997) 518
Jamieson, D.N., see Bettiol, A.A. 130 (1997) 734
Jamieson, D.N., see Moloney, G.R. 130 (1997) 97
Jamieson, D.N., see Szymanski, R. 130 (1997) 80
Jamieson, D.N., see Walker, S.R. 130 (1997) 166
Jessberger, E.K., see Arndt, P. 130 (1997) 192
Jin, Z., see Walker, S.R. 130 (1997) 166
Johansson, C., see Pålsgård, E. 130 (1997) 431
Johnston, P.N., see Walker, S.R. 130 (1997) 166

Kalish, R., see Beckman, D.R. 130 (1997) 518
Kamiya, T., T. Sakai, T. Hamano, T. Suda and T. Hirao, Accuracy of beam positioning in TIARA 130 (1997) 285
Kamiya, T., see Cholewa, M. 130 (1997) 275
Kamiya, T., see Hamano, T. 130 (1997) 280
Kamiya, T., see Hirao, T. 130 (1997) 486
Kamiya, T., see Sakai, T. 130 (1997) 498
Keith, R.L., A.J. Gandolfi, L.C. McIntyre, Jr., M.D. Ashbaugh and Q. Fernando, Use of the nuclear microprobe at the University of Arizona for the study of heavy metal deposition in rabbit renal tissue 130 (1997) 358
Keith, R.L., see McIntyre Jr., L.C. 130 (1997) 45
Khan, K.R., see Khandaker, N.I. 130 (1997) 654
Khandaker, N.I., M. Ahmed, M.M. Hariri, M.M. Al-Ohali, M.A. Garwan and K.R. Khan, Microanalytical investigations of gold-bearing rocks from the An Najadi region in Saudi Arabia 130 (1997) 654
Khomenko, V., S. Lebed and S. Mordik, A new magnetic scanning system for proton microprobe 130 (1997) 86
Khoo, H.W., see Tang, S.M. 130 (1997) 396
Kinomura, A., see Kishimoto, T. 130 (1997) 524
Kinomura, A., see Mokuno, Y. 130 (1997) 243
Kinomura, A., see Park, Y.K. 130 (1997) 728
Kishimoto, T., M. Takai, Y. Ohno, T. Nishimura, M. Inuishi, A. Kinomura, Y. Horino and K. Fujii, Suppression of charge carrier collection in diode with retrograde well and epitaxial layers for soft-error immunity 130 (1997) 524
Kishimoto, T., see Park, Y.K. 130 (1997) 534
Kiss, Á.Z., see Rajta, I. 130 (1997) 315
Kögel, G., see Triftshäuser, W. 130 (1997) 264
Kolachina, S., see Osipowicz, T. 130 (1997) 503
Koltay, E., see Rajta, I. 130 (1997) 315
Körner, H.J., see Hinderer, G. 130 (1997) 51
Korte, C., see Bruhn, F. 130 (1997) 636
Krämer, U., G.W. Grime, J.A.C. Smith, C.R. Hawes and A.J.M. Baker, Micro-PIXE as a technique for studying nickel localization in leaves of the hyperaccumulator plant *Alyssum lesbiacum* 130 (1997) 346
Kristiansson, P., C.M. Nilsson, H. Busk, L. Malmqvist, M. Elfman, K.G. Malmqvist, J. Pallon, K.A. Sjöland, R.J. Utui and C. Yang, Optical dot gain on newsprint determined with the Lund nuclear microprobe 130 (1997) 303
Kristiansson, P., see Elfman, M. 130 (1997) 123
Kristiansson, P., see Pallon, J. 130 (1997) 199
Kristiansson, P., see Pallon, J. 130 (1997) 454
Kristiansson, P., see Sjöland, K.A. 130 (1997) 20
Kristiansson, P., see Utui, R.J. 130 (1997) 687
Kristiansson, P., see Yang, C. 130 (1997) 746
Kumar, A., A. Haberl, H. Bakhru and B. Rout, Improved high energy microbeam techniques 130 (1997) 219
Kwiatek, W., see Brazhnik, V. 130 (1997) 104

Lane, D.J.W., see Hogarth, A.N. . . . 130 (1997) 402
Leavitt, J.A., see McIntyre Jr., L.C. . . . 130 (1997) 45
Lebed, S. and A. Ponomarev, Field reconstruction technique for testing magnetic quadrupole lenses . . . 130 (1997) 90
Lebed, S., see Brazhnik, V. . . . 130 (1997) 104
Lebed, S., see Khomenko, V. . . . 130 (1997) 86
Lee, S.R., see Schöne, H. . . . 130 (1997) 551
Lee, T., see Thong, P.S.P. . . . 130 (1997) 460
Legge, G., see Brazhnik, V. . . . 130 (1997) 104
Legge, G.J.F., A history of ion microbeams . . . 130 (1997) 9
Legge, G.J.F., see Cholewa, M. . . . 130 (1997) 275
Legge, G.J.F., see Moloney, G.R. . . . 130 (1997) 97
Legge, G.J.F., see Saint, A. . . . 130 (1997) 176
Legge, G.J.F., see Sakellariou, A. . . . 130 (1997) 253
Lehmann, D., see Mous, D.J.W. . . . 130 (1997) 31
Li, G., see Pålsgård, E. . . . 130 (1997) 431
Li, Q., see McIntyre Jr., L.C. . . . 130 (1997) 45
Li, X., J. Zhu, R. Lu, X. Wu and Y. Chen, A very simple method for true elemental mapping using the scanning proton microprobe . . . 130 (1997) 149
Li, X., J. Zhu, R. Lu, Y. Gu, X. Wu and Y. Chen, Study on the occurrence of platinum in Xinjie Cu–Ni sulfide deposits by a combination of SPM and NAA . . . 130 (1997) 617
Li, X., see Chen, Y. . . . 130 (1997) 700
Liew, S.C., see Ng, Y.K. . . . 130 (1997) 109
Liew, S.C., see Orlić, I. . . . 130 (1997) 133
Lindh, U., P. Frisk, J. Nyström, A. Danersund, R. Hudecek, A. Lindvall and S. Thunell, Nuclear microscopy in biomedical analysis with special emphasis on clinical metal biology . . . 130 (1997) 406
Lindvall, A., see Lindh, U. . . . 130 (1997) 406
Lipinski, M.R., W.J. Przybylowicz, M.D. Durholtz and J. Mesjasz-Przybylowicz, Quantitative micro-PIXE mapping of squid statoliths . . . 130 (1997) 374
Llabador, Y., see Moretto, Ph. . . . 130 (1997) 324
Llabador, Y., see Ortega, R. . . . 130 (1997) 426
Llabador, Y., see Ortega, R. . . . 130 (1997) 449
Löffelmacher, D., see Adamczewsky, J. . . . 130 (1997) 57
Loh, K.K., see Ng, Y.K. . . . 130 (1997) 109
Loh, K.K., see Orlić, I. . . . 130 (1997) 133
Lott, J.R., see McIntyre Jr., L.C. . . . 130 (1997) 45
Lu, R., see Chen, Y. . . . 130 (1997) 700
Lu, R., see Li, X. . . . 130 (1997) 149
Lu, R., see Li, X. . . . 130 (1997) 617

Maas, A.J.H., see Simons, D.P.L. . . . 130 (1997) 160
MacDonald, L., see Campbell, J.L. . . . 130 (1997) 608
Machi, I.Z., see Andeweg, A.H. . . . 130 (1997) 37
Machi, I.Z., see Doyle, B.P. . . . 130 (1997) 204
Machi, I.Z., see Formenti, P. . . . 130 (1997) 230
Maclear, R.D., see Andeweg, A.H. . . . 130 (1997) 37
Maclear, R.D., see Doyle, B.P. . . . 130 (1997) 204
Maclear, R.D., see Formenti, P. . . . 130 (1997) 230
Maenhaut, W., R. Salomonovic, J. Ptasinski and G.W. Grime, Nuclear microprobe analysis of atmospheric aerosol samples: Comparison with bulk measurements and analyses of individual particles . . . 130 (1997) 576
Maenhaut, W., see Van Lierde, S. . . . 130 (1997) 444
Maetz, M., B. Orberger, K. Traxel, P. Wathanakul and S. Pitragool, Proton-microprobe analyses of platinum-group element and gold grains . . . 130 (1997) 666
Maetz, M., see Arndt, P. . . . 130 (1997) 192
Maetz, M., see Wallianos, A. . . . 130 (1997) 144
Maj, B., see Rokita, E. . . . 130 (1997) 138
Makjanić, J., B. McDonald and F. Watt, Nuclear microscopy study of neurofibrillary tangles in Alzheimer's disease . 130 (1997) 439
Malmqvist, K., see Elfman, M. . . . 130 (1997) 123
Malmqvist, K.G., see Kristiansson, P. . . . 130 (1997) 303
Malmqvist, K.G., see Pallon, J. . . . 130 (1997) 199
Malmqvist, K.G., see Pallon, J. . . . 130 (1997) 454
Malmqvist, K.G., see Sjöland, K.A. . . . 130 (1997) 20

Malmqvist, K.G., see Utui, R.J. 130 (1997) 687
Malmqvist, K.G., see Yang, C. 130 (1997) 746
Malmqvist, L., see Kristiansson, P. 130 (1997) 303
Manfredotti, C., F. Fizzotti, P. Polesello, E. Vittone, P. Rossi, G. Egeni, V. Rudello, I. Bogdanovic, M. Jaksic and V. Valkovic, Proton microbeam investigations on electrical properties of natural and CVD diamond 130 (1997) 491
Manfredotti, C., see Bogdanović, I. 130 (1997) 513
Martin, R.T., see Pineda, C.A. 130 (1997) 628
Martínez, G., see Dymnikov, A.D. 130 (1997) 64
Martínez, G., see Dymnikov, A.D. 130 (1997) 74
Matsuda, S., see Nishijima, T. 130 (1997) 528
Matsuda, S., see Nishijima, T. 130 (1997) 557
Mayer, J., see Pineda, C.A. 130 (1997) 362
McDonald, B., see Makjanić, J. 130 (1997) 439
McGrath, R.T., see Schöne, H. 130 (1997) 543
McIntyre, Jr., L.C., see Keith, R.L. 130 (1997) 358
McIntyre Jr., L.C., J.A. Leavitt, M.D. Ashbaugh, J. Borgardt, R.L. Keith, A.J. Gandolfi, Q. Li, J.R. Lott and Q. Fernando, The nuclear microprobe at the University of Arizona 130 (1997) 45
McKinney, S., see Paxton, A.H. 130 (1997) 539
McQueen, I.D., see Andeweg, A.H. 130 (1997) 37
Meijer, J., see Adamczewsky, J. 130 (1997) 57
Meijer, J., see Bruhn, F. 130 (1997) 636
Meike, A., see Sideras-Haddad, E. 130 (1997) 259
Mesjasz-Przybyłowicz, J., W.J. Przybyłowicz, V.M. Prozesky and C.A. Pineda, Quantitative micro-PIXE comparison of elemental distribution in Ni-hyperaccumulating and non-accumulating genotypes of *Senecio coronatus* 130 (1997) 368
Mesjasz-Przybyłowicz, J., see Witkowski, E.T.F. 130 (1997) 381
Mesjasz-Przybylowicz, J., see Lipinski, M.R. 130 (1997) 374
Mesjasz-Przybylowicz, J., see Pineda, C.A. 130 (1997) 362
Mesjasz-Przybylowicz, J., see Przybylowicz, W.J. 130 (1997) 335
Mesjasz-Przybylowicz, J., see Weiersbye-Witkowski, I.M. 130 (1997) 388
Metzger, S., see Fischer, B.E. 130 (1997) 478
Michael, B.D., see Folkard, M. 130 (1997) 270
Michelet, C., see Ortega, R. 130 (1997) 449
Michette, A.G., see Folkard, M. 130 (1997) 270
Mitamura, T., see Mokuno, Y. 130 (1997) 243
Mokuno, Y., Y. Horino, A. Chayahara, A. Kinomura, N. Tsubouchi, K. Fujii, M. Terasawa, T. Sekioka and T. Mitamura, High energy resolution PIXE with high efficiency using the heavy ion microbeam 130 (1997) 243
Moloney, G.R., D.N. Jamieson and G.J.F. Legge, Analysis of the fringe field region of magnetic quadrupole lenses: field measurements and ion optical calculations 130 (1997) 97
Mordik, S., see Khomenko, V. 130 (1997) 86
Moreau, C., see Berthier, B. 130 (1997) 224
Moretto, Ph. and Y. Llabador, The nuclear microprobe: An insight of applications in cell biology 130 (1997) 324
Moretto, Ph., see Ortega, R. 130 (1997) 426
Moretto, Ph., see Ortega, R. 130 (1997) 449
Morse, D., see Formenti, P. 130 (1997) 230
Morse, D., see Sideras-Haddad, E. 130 (1997) 259
Morse, D.H., A.J. Antolak, G.S. Bench, D.W. Heikkinen, M.L. Roberts and E. Sideras-Haddad, Materials analysis at the SNL/LLNL nuclear microprobe 130 (1997) 740
Morse, D.H., see Antolak, A.J. 130 (1997) 211
Mosbah, M. and J.-P. Duraud, Proton microbeam induced damages in glasses: Ca and Na distribution modification . . 130 (1997) 182
Mosbah, M., J.-P. Duraud and R. Clocchiatti, Use of the $\alpha \rightarrow \beta$ quartz transition to monitor the temperature increase produced by a proton microbeam 130 (1997) 171
Moulin, G., see Berger, P. 130 (1997) 717
Mous, D.J.W., R.G. Haitsma, T. Butz, R.-H. Flagmeyer, D. Lehmann and J. Vogt, The novel ultrastable HVEE 3.5 MV Singletron™ accelerator for nanoprobe applications 130 (1997) 31
Murao, S., S.H. Sie, K. Nakashima, G.F. Suter and M. Watanabe, Elemental behavior during the fractionation of felsic magma at Hobenzan polymetallic province, SW Japan 130 (1997) 671
Musazay, M.S., see Garwan, M.A. 130 (1997) 649
Mutsaers, P.H.A. and D.P.L. Simons, A multi-parameter system for acquisition, monitoring, and analysis of scanning ion microprobe data 130 (1997) 127
Mutsaers, P.H.A., see Rokita, E. 130 (1997) 138
Mutsaers, P.H.A., see Simons, D.P.L. 130 (1997) 160

Nakashima, K., see Murao, S. 130 (1997) 671
Nashiyama, I., see Hamano, T. 130 (1997) 280
Nashiyama, I., see Hirao, T. 130 (1997) 486
Nashiyama, I., see Nishijima, T. 130 (1997) 528
Nemoto, N., see Nishijima, T. 130 (1997) 528
Ng, Y.K., I. Orlic, S.C. Liew, K.K. Loh, S.M. Tang, T. Osipowicz and F. Watt, A PIXE micro-tomography experiment using MLEM algorithm 130 (1997) 109
Ng, Y.K., see Orlić, I. 130 (1997) 133
Nilsson, C.M., see Kristiansson, P. 130 (1997) 303
Nipoti, R., see Cervellera, F. 130 (1997) 25
Nishijima, T., H. Sekiguchi, S. Matsuda and N. Shiono, Research of Si and GaAs diode structures by Ion Beam Induced Charge (IBIC) collection 130 (1997) 557
Nishijima, T., H. Sekiguchi, T. Hirao, I. Nashiyama, N. Nemoto, S. Matsuda and N. Shiono, Study of basic mechanisms of semiconductor devices using ion beam induced charge (IBIC) collection 130 (1997) 528
Nishimura, T., see Kishimoto, T. 130 (1997) 524
Nugent, K.W., see Bettiol, A.A. 130 (1997) 734
Nyström, J., see Lindh, U. 130 (1997) 406

Ohno, Y., see Kishimoto, T. 130 (1997) 524
Ong, V.K.S., see Osipowicz, T. 130 (1997) 503
Ontalba, M.Á., see Rajta, I. 130 (1997) 315
Orberger, B., see Maetz, M. 130 (1997) 666
Orlić, I., K.K. Loh, S.C. Liew, Y.K. Ng, J.L. Sanchez and S.M. Tang, TTPIXAN — the 4th generation 130 (1997) 133
Orlic, I., see Ng, Y.K. 130 (1997) 109
Orlic, I., see Tang, S.M. 130 (1997) 396
Orlić, I., see Osipowicz, T. 130 (1997) 503
Orlić, I., see Wu, X. 130 (1997) 308
Ortega, R., B. Gouget, Ph. Moretto, C. Michelet, J. Bénard, C. Sergeant, Y. Llabador and M. Simonoff, Trace metal content in distinct genotypes of human neuroblastoma cells: Preliminary results 130 (1997) 449
Ortega, R., Ph. Moretto, Y. Llabador and M. Simonoff, Nuclear microprobe analysis of iodine and iron distributions in tumor cells exposed to the anthracycline 4'-iodo-4'-deoxydoxorubicin 130 (1997) 426
Osipowicz, T., J.L. Sanchez, I. Orlić, F. Watt, S. Kolachina, V.K.S. Ong, D.S.H. Chan and J.C.H. Phang, Recent results in ion beam induced charge microscopy: Unconnected junction contrast and an assessment of single contact IBIC 130 (1997) 503
Osipowicz, T., see Ng, Y.K. 130 (1997) 109
Osipowicz, T., see Sanchez, J.L. 130 (1997) 682
Osipowicz, T., see Springham, S.V. 130 (1997) 155

Padayachee, J., see Prozesky, V.M. 130 (1997) 113
Pallon, J., B. Forslind, Y. Werner-Linde, C. Yang, R.J. Utui, M. Elfman, K.G. Malmqvist, P. Kristiansson and K.A. Sjöland, Applications of nuclear microprobe analysis to dermatological research 130 (1997) 454
Pallon, J., C. Yang, R.J. Utui, M. Elfman, K.G. Malmqvist, P. Kristiansson and K.A. Sjöland, Ionoluminescence technique for nuclear microprobes 130 (1997) 199
Pallon, J., see Elfman, M. 130 (1997) 123
Pallon, J., see Kristiansson, P. 130 (1997) 303
Pallon, J., see Sjöland, K.A. 130 (1997) 20
Pallon, J., see Utui, R.J. 130 (1997) 687
Pallon, J., see Yang, C. 130 (1997) 746
Pålsgård, E., C. Johansson, G. Li, G.W. Grime and J.T. Triffitt, Bone growth and bone development in the presence of implants or after induced leg-lengthening studied using the Oxford Scanning Proton Microprobe 130 (1997) 431
Paramanantham, R., see Thong, P.S.P. 130 (1997) 351
Park, Y.K., F. Pászti, M. Takai, G. Temmel, E.P. Buerte, H. Ryssel, R. Wiget, A. Kinomura, Y. Horino and K. Fujii, Ir and Rh silicide formation investigated by microprobe RBS 130 (1997) 728
Park, Y.K., T. Kishimoto and M. Takai, Microanalysis of a submicron patterned WSi_x structure using a nuclear microprobe 130 (1997) 534
Park, Y.K., see Pászti, F. 130 (1997) 247
Pászti, F., Y.K. Park and M. Takai, Detectors for microbeam applications at medium ion energy 130 (1997) 247
Pászti, F., see Park, Y.K. 130 (1997) 728
Paxton, A.H., H. Schone, E.W. Taylor, S. McKinney and B.L. Doyle, Performance of an acousto-optic Bragg cell under ion microbeam irradiation 130 (1997) 539
Pfauntsch, S.J., see Folkard, M. 130 (1997) 270

Phang, J.C.H., see Osipowicz, T. 130 (1997) 503
Pineda, C.A., P. Wenzl, J. Mayer, J. Mesjasz-Przybylowicz, W.J. Przybylowicz and V.M. Prozesky, Study of the nutrient distribution in root tips of the tropical forage Brachiaria 130 (1997) 362
Pineda, C.A., R.T. Martin, D.K. Hallbauer, L. Jacobson, V.M. Prozesky and W.J. Przybylowicz, Geochemical microanalysis of patina layers on rock artefacts from the Central Karoo and Southern Free State, South Africa . . . 130 (1997) 628
Pineda, C.A., see Mesjasz-Przybyłowicz, J. 130 (1997) 368
Pineda, C.A., see Przybylowicz, W.J. 130 (1997) 335
Pineda, C.A., see Rousseau, P.D.S. 130 (1997) 582
Pitragool, S., see Maetz, M. 130 (1997) 666
Polesello, P., see Cervellera, F. 130 (1997) 25
Polesello, P., see Manfredotti, C. 130 (1997) 491
Ponomarev, A., see Lebed, S. 130 (1997) 90
Prawer, S., see Beckman, D.R. 130 (1997) 518
Pretorius, R., see de Waal, H.S. 130 (1997) 722
Prise, K.M., see Folkard, M. 130 (1997) 270
Prozesky, V.M., J. Padayachee, R. Fischer, W. Von der Linden, V. Dose and C.G. Ryan, The use of maximum entropy and Bayesian techniques in nuclear microprobe applications 130 (1997) 113
Prozesky, V.M., see Churms, C.L. 130 (1997) 70
Prozesky, V.M., see Frei, R. 130 (1997) 676
Prozesky, V.M., see Mesjasz-Przybyłowicz, J. 130 (1997) 368
Prozesky, V.M., see Pineda, C.A. 130 (1997) 362
Prozesky, V.M., see Pineda, C.A. 130 (1997) 628
Prozesky, V.M., see Przybylowicz, W.J. 130 (1997) 335
Prozesky, V.M., see Rousseau, P.D.S. 130 (1997) 582
Prozesky, V.M., see Sweeney, R.J. 130 (1997) 623
Prozesky, V.M., see de Waal, H.S. 130 (1997) 722
Przybylowicz, W., see Frei, R. 130 (1997) 676
Przybylowicz, W.J., J. Mesjasz-Przybylowicz, V.M. Prozesky and C.A. Pineda, Botanical applications in nuclear microscopy 130 (1997) 335
Przybyłowicz, W.J., see Mesjasz-Przybyłowicz, J. 130 (1997) 368
Przybyłowicz, W.J., see Witkowski, E.T.F. 130 (1997) 381
Przybylowicz, W.J., see Lipinski, M.R. 130 (1997) 374
Przybylowicz, W.J., see Pineda, C.A. 130 (1997) 362
Przybylowicz, W.J., see Pineda, C.A. 130 (1997) 628
Przybylowicz, W.J., see Rousseau, P.D.S. 130 (1997) 582
Przybylowicz, W.J., see Weiersbye-Witkowski, I.M. 130 (1997) 388
Ptasinski, J., see Maenhaut, W. 130 (1997) 576

Rajta, I., M.Á. Ontalba, E. Koltay and Á.Z. Kiss, Study of white lead paint layers by the Debrecen nuclear microprobe 130 (1997) 315
Ramboz, C., see Volfinger, M. 130 (1997) 692
Raoux, A.C., see Berthier, B. 130 (1997) 224
Reimold, D., see Arndt, P. 130 (1997) 192
Roberts, M., see Bench, G. 130 (1997) 419
Roberts, M.L., see Antolak, A.J. 130 (1997) 211
Roberts, M.L., see Morse, D.H. 130 (1997) 740
Roberts, M.L., see Sideras-Haddad, E. 130 (1997) 259
Rokita, E., B. Maj, P.H.A. Mutsaers and M.J.A. de Voigt, The use of the maximum entropy method for the improvement of the spatial resolution of the micro-PIXE maps 130 (1997) 138
Rolfs, C., see Adamczewsky, J. 130 (1997) 57
Roselle, G.T., see Hickmott, D.D. 130 (1997) 660
Rossi, P., see Cervellera, F. 130 (1997) 25
Rossi, P., see Manfredotti, C. 130 (1997) 491
Rousseau, P.D.S., W.J. Przybylowicz, R. Scheepers, V.M. Prozesky, C.A. Pineda, C.L. Churms and C.G. Ryan, Geochemical analysis of medium sized fly ash particles using the NAC nuclear microprobe 130 (1997) 582
Rout, B., see Kumar, A. 130 (1997) 219
Rudello, V., see Cervellera, F. 130 (1997) 25
Rudello, V., see Manfredotti, C. 130 (1997) 491
Ruvalcaba-Sil, J.L. and G. Demortier, Scanning RBS-PIXE study of ancient artifacts from South America using a microbeam 130 (1997) 297
Ryan, C.G., see Prozesky, V.M. 130 (1997) 113

Ryan, C.G., see Rousseau, P.D.S. 130 (1997) 582
Ryssel, H., see Park, Y.K. 130 (1997) 728

Saint, A. and G.J.F. Legge, Molecular beam STIM imaging and post-specimen scanning with an MeV ion microprobe 130 (1997) 176
Saint, A., see Beckman, D.R. 130 (1997) 518
Saint, A., see Cholewa, M. 130 (1997) 275
Saint, A., see Sakellariou, A. 130 (1997) 253
Sakai, T., T. Hamano, T. Suda, T. Hirao and T. Kamiya, Recent progress in JAERI single ion hit system 130 (1997) 498
Sakai, T., see Hamano, T. 130 (1997) 280
Sakai, T., see Hirao, T. 130 (1997) 486
Sakai, T., see Kamiya, T. 130 (1997) 285
Sakellariou, A., M. Cholewa, A. Saint and G.J.F. Legge, Advances in 3D ion micro-tomography 130 (1997) 253
Salomonovic, R., see Maenhaut, W. 130 (1997) 576
Sanchez, J.L., T. Osipowicz, S.M. Tang, T.S. Tay and T.T. Win, Micro-PIXE analysis of trace element concentrations of natural rubies from different locations in Myanmar 130 (1997) 682
Sanchez, J.L., see Orlić, I. 130 (1997) 133
Sanchez, J.L., see Osipowicz, T. 130 (1997) 503
Sanchez, J.L., see Springham, S.V. 130 (1997) 155
Sanchez, J.L., see Tang, S.M. 130 (1997) 396
Schaaff, P., see Andeweg, A.H. 130 (1997) 37
Schaaff, P., see Doyle, B.P. 130 (1997) 204
Schaaff, P., see Formenti, P. 130 (1997) 230
Scheepers, R., see Rousseau, P.D.S. 130 (1997) 582
Schettino, G., see Folkard, M. 130 (1997) 270
Schlögl, M., see Fischer, B.E. 130 (1997) 478
Schneider, T., see Wallianos, A. 130 (1997) 144
Schöne, H., D. Walsh, R.T. McGrath, J.H. Burkhart and B.L. Doyle, Microbeam RBS on flat panel displays 130 (1997) 543
Schöne, H., M.B.H. Breese, S.R. Lee, R.D. Briggs, S.A. Casalnuovo, B.L. Doyle, T.J. Drummond, I.J. Fritz, M.J. Hafich and G.A. Vawter, Dislocation imaging of an InAlGaAs opto-electronic modulator using IBICC 130 (1997) 551
Schone, H., see Paxton, A.H. 130 (1997) 539
Seitchik, J., see Aton, T. 130 (1997) 507
Sekiguchi, H., see Nishijima, T. 130 (1997) 528
Sekiguchi, H., see Nishijima, T. 130 (1997) 557
Sekioka, T., see Mokuno, Y. 130 (1997) 243
Sellschop, J.P.F., see Andeweg, A.H. 130 (1997) 37
Sellschop, J.P.F., see Connell, S.H. 130 (1997) 641
Sellschop, J.P.F., see Doyle, B.P. 130 (1997) 204
Sellschop, J.P.F., see Formenti, P. 130 (1997) 230
Sergeant, C., see Ortega, R. 130 (1997) 449
Shichijo, H., see Aton, T. 130 (1997) 507
Shiono, N., see Nishijima, T. 130 (1997) 528
Shiono, N., see Nishijima, T. 130 (1997) 557
Sideras-Haddad, E., D. Heikkinen, S.H. Connell, M.W. Caffee, M.L. Roberts, G.S. Bench, D. Morse, A. Meike and W. Bourcier, Three-dimensional elastic recoil detection analysis of hydrogen in materials for use in the Yucca Mountain nuclear waste repository 130 (1997) 259
Sideras-Haddad, E., see Andeweg, A.H. 130 (1997) 37
Sideras-Haddad, E., see Bench, G. 130 (1997) 419
Sideras-Haddad, E., see Doyle, B.P. 130 (1997) 204
Sideras-Haddad, E., see Formenti, P. 130 (1997) 230
Sideras-Haddad, E., see Morse, D.H. 130 (1997) 740
Sie, S.H., Nuclear microprobe in geological applications: Where do we go from here? 130 (1997) 592
Sie, S.H., see Murao, S. 130 (1997) 671
Simonoff, M., see Ortega, R. 130 (1997) 426
Simonoff, M., see Ortega, R. 130 (1997) 449
Simons, D.P.L., A.J.H. Maas, P.H.A. Mutsaers and M.J.A. de Voigt, Study of localised radiation damage to PIPS detectors by a scanning ion microprobe: Measured effects and the consequences for STIM analysis 130 (1997) 160
Simons, D.P.L., see Mutsaers, P.H.A. 130 (1997) 127
Sit, K.H., see Thong, P.S.P. 130 (1997) 351
Sjöland, A., see Utui, R.J. 130 (1997) 687
Sjöland, A., see Elfman, M. 130 (1997) 123
Sjöland, A., see Yang, C. 130 (1997) 746

Sjöland, K.A., P. Kristiansson, M. Elfman, K.G. Malmqvist, J. Pallon, R.J. Utui and C. Yang, The new nuclear reaction analysis facility at the Lund Nuclear Microprobe 130 (1997) 20
Sjöland, K.A., see Kristiansson, P. 130 (1997) 303
Sjöland, K.A., see Pallon, J. 130 (1997) 199
Sjöland, K.A., see Pallon, J. 130 (1997) 454
Smith, J.A.C., see Krämer, U. 130 (1997) 346
Sperr, P., see Triftshäuser, W. 130 (1997) 264
Springham, S.V., T. Osipowicz, J.L. Sanchez, L.H. Gan and F. Watt, Micromachining using deep ion beam lithography 130 (1997) 155
Springhorn, K.A., see Churms, C.L. 130 (1997) 70
Springhorn, K.A., see Sweeney, R.J. 130 (1997) 623
Stachura, Z., see Brazhnik, V. 130 (1997) 104
Stannard, W.B., see Walker, S.R. 130 (1997) 166
Stephan, A., see Adamczewsky, J. 130 (1997) 57
Stephan, A., see Bruhn, F. 130 (1997) 636
Stimac, J., see Hickmott, D.D. 130 (1997) 564
Straker, C.J., see Weiersbye-Witkowski, I.M. 130 (1997) 388
Suckling, G.W., see Coote, G.E. 130 (1997) 571
Suda, T., see Hamano, T. 130 (1997) 280
Suda, T., see Hirao, T. 130 (1997) 486
Suda, T., see Kamiya, T. 130 (1997) 285
Suda, T., see Sakai, T. 130 (1997) 498
Suter, G.F., see Murao, S. 130 (1997) 671
Swann, C.P., Recent applications of nuclear microprobes to the study of art objects and archaeological artifacts 130 (1997) 289
Swann, C.P., P.P. Betancourt, S. Fleming and C.R. Floyd, PIXE analysis of Trojan gold jewelry 130 (1997) 320
Sweeney, R.J., V.M. Prozesky and K.A. Springhorn, The quantitative determination of H in geological materials (silicates) by elastic recoil detection analysis (ERDA) 130 (1997) 623
Szymanski, R. and D.N. Jamieson, Ion source brightness and nuclear microprobe applications 130 (1997) 80

Tadić, T., M. Jakšić, D. Dujmić and I. Bogdanović, Depth resolution calculations for heavy-ion microbeam RBS analysis 130 (1997) 237
Takai, M., Recent applications of nuclear microprobe techniques to microelectronics 130 (1997) 466
Takai, M., see Kishimoto, T. 130 (1997) 524
Takai, M., see Pászti, F. 130 (1997) 247
Takai, M., see Park, Y.K. 130 (1997) 534
Takai, M., see Park, Y.K. 130 (1997) 728
Takebe, M., see Hamano, T. 130 (1997) 280
Tan, A.H.M., see Watt, F. 130 (1997) 188
Tang, S.M., I. Orlic, K.N. Yu, J.L. Sanchez, P.S.P. Thong, F. Watt and H.W. Khoo, Nuclear microscopy study of fish scales 130 (1997) 396
Tang, S.M., see Ng, Y.K. 130 (1997) 109
Tang, S.M., see Orlić, I. 130 (1997) 133
Tang, S.M., see Sanchez, J.L. 130 (1997) 682
Tang, S.M., see Watt, F. 130 (1997) 188
Tang, S.M., see Wu, X. 130 (1997) 308
Tay, T.S., see Sanchez, J.L. 130 (1997) 682
Taylor, E.W., see Paxton, A.H. 130 (1997) 539
Teesdale, W.J., see Campbell, J.L. 130 (1997) 608
Temmel, G., see Park, Y.K. 130 (1997) 728
Terasawa, M., see Mokuno, Y. 130 (1997) 243
Thong, P.S.P., F. Watt, R. Paramanantham, B.H. Bay and K.H. Sit, Nuclear microscopy of single whole cultured cells: preparation and analysis of human Chang liver cells 130 (1997) 351
Thong, P.S.P., Y. He, T. Lee and F. Watt, Nuclear microscopic investigations into the elemental changes in the substantia nigra of unilaterally MPTP-lesioned Parkinsonian monkeys 130 (1997) 460
Thong, P.S.P., see Hogarth, A.N. 130 (1997) 402
Thong, P.S.P., see Tang, S.M. 130 (1997) 396
Thong, P.S.P., see Watt, F. 130 (1997) 188
Thunell, S., see Lindh, U. 130 (1997) 406
Traxel, K., see Arndt, P. 130 (1997) 192
Traxel, K., see Maetz, M. 130 (1997) 666
Traxel, K., see Wallianos, A. 130 (1997) 144

Treves, B.E., see Hickmott, D.D. 130 (1997) 660
Triffitt, J.T., see Pålsgård, E. 130 (1997) 431
Triftshäuser, W., G. Kögel, P. Sperr, D.T. Britton, K. Uhlmann and P. Willutzki, A scanning positron microscope for defect analysis in materials science 130 (1997) 264
Tsubouchi, N., see Mokuno, Y. 130 (1997) 243

Uhlmann, K., see Triftshäuser, W. 130 (1997) 264
Utui, R., see Elfman, M. 130 (1997) 123
Utui, R.J., X. Wang, F.M. Guerreiro, M. Elfman, P. Kristiansson, K.G. Malmqvist, J. Pallon, A. Sjöland and C. Yang, Application of nuclear microprobe in the study of granulite facies rocks from the Namama thrust belt 130 (1997) 687
Utui, R.J., see Kristiansson, P. 130 (1997) 303
Utui, R.J., see Pallon, J. 130 (1997) 199
Utui, R.J., see Pallon, J. 130 (1997) 454
Utui, R.J., see Sjöland, K.A. 130 (1997) 20
Utui, R.J., see Yang, C. 130 (1997) 746

Valkovic, V., see Manfredotti, C. 130 (1997) 491
Van Lierde, S., W. Maenhaut, J. De Reuck and R.D. Vis, Nuclear microprobe analysis of brain tissue: Quantitative aspects and concentration variability of minor and trace elements 130 (1997) 444
Vawter, G.A., see Schöne, H. 130 (1997) 551
Veizer, J., see Bruhn, F. 130 (1997) 636
Viennot, M., see Berger, P. 130 (1997) 717
Vis, R.D., Applications of the nuclear microprobe in planetary science 130 (1997) 587
Vis, R.D., see Van Lierde, S. 130 (1997) 444
Vittone, E., see Bogdanović, I. 130 (1997) 513
Vittone, E., see Cervellera, F. 130 (1997) 25
Vittone, E., see Manfredotti, C. 130 (1997) 491
Viviani, M., see Cervellera, F. 130 (1997) 25
Vogt, J., see Mous, D.J.W. 130 (1997) 31
Vojnovic, B., see Folkard, M. 130 (1997) 270
Volfinger, M., C.G. Choï, C. Ramboz, M. Aïssa and M. Edon, Tracing fossil and present day fluids in rocks: application of the nuclear microprobe 130 (1997) 692
Von der Linden, W., see Prozesky, V.M. 130 (1997) 113

Walker, S.R., P.N. Johnston, I.F. Bubb, W.B. Stannard, Z. Jin, D.N. Jamieson, S.P. Dooley, D.D. Cohen and N. Dytlewski, Ion beam induced damage in InP during heavy-ion elastic recoil detection analysis 130 (1997) 166
Wallianos, A., P. Arndt, M. Maetz, T. Schneider and K. Traxel, Accurate quantification resulting from precise beam monitoring and calibration 130 (1997) 144
Walsh, D., see Schöne, H. 130 (1997) 543
Wang, X., see Utui, R.J. 130 (1997) 687
Wang, X., see Wu, X. 130 (1997) 308
Wang, Y., see Wu, X. 130 (1997) 308
Watanabe, M., see Murao, S. 130 (1997) 671
Wathanakul, P., see Maetz, M. 130 (1997) 666
Watt, F., The nuclear microprobe: a unique instrument 130 (1997) 1
Watt, F., P.S.P. Thong, A.H.M. Tan and S.M. Tang, Nuclear microscopy of single whole cultured cells: Beam damage studies 130 (1997) 188
Watt, F., see Hogarth, A.N. 130 (1997) 402
Watt, F., see Makjanić, J. 130 (1997) 439
Watt, F., see Ng, Y.K. 130 (1997) 109
Watt, F., see Osipowicz, T. 130 (1997) 503
Watt, F., see Springham, S.V. 130 (1997) 155
Watt, F., see Tang, S.M. 130 (1997) 396
Watt, F., see Thong, P.S.P. 130 (1997) 351
Watt, F., see Thong, P.S.P. 130 (1997) 460
Weiersbye-Witkowski, I.M., W.J. Przybylowicz, C.J. Straker and J. Mesjasz-Przybylowicz, Elemental micro-PIXE mapping of hypersensitive lesions in *Lagenaria sphaerica* (Cucurbitaceae) resistant to *Sphaerotheca fuliginea* (powdery mildew) 130 (1997) 388
Weiersbye-Witkowski, I.M., see Witkowski, E.T.F. 130 (1997) 381
Wenzl, P., see Pineda, C.A. 130 (1997) 362
Werner-Linde, Y., see Pallon, J. 130 (1997) 454

Wernick, G., see Andeweg, A.H. 130 (1997) 37
Wiget, R., see Park, Y.K. 130 (1997) 728
Willutzki, P., see Triftshäuser, W. 130 (1997) 264
Win, T.T., see Sanchez, J.L. 130 (1997) 682
Witkowski, E.T.F., I.M. Weiersbye-Witkowski, W.J. Przybyłowicz and J. Mesjasz-Przybyłowicz, Nuclear microprobe studies of elemental distributions in dormant seeds of *Burkea africana* 130 (1997) 381
Wittenberg, A., see Connell, S.H. 130 (1997) 641
Wu, X., I. Orlić, S.M. Tang, Y. Wang, X. Wang and J. Zhu, Analysis of dinosaur samples by nuclear microscopy . . 130 (1997) 308
Wu, X., see Chen, Y. 130 (1997) 700
Wu, X., see Li, X. 130 (1997) 149
Wu, X., see Li, X. 130 (1997) 617

Yang, C., K.G. Malmqvist, M. Elfman, P. Kristiansson, J. Pallon, A. Sjöland and R.J. Utui, Ionoluminescence and PIXE study of inorganic materials 130 (1997) 746
Yang, C., see Elfman, M. 130 (1997) 123
Yang, C., see Kristiansson, P. 130 (1997) 303
Yang, C., see Pallon, J. 130 (1997) 199
Yang, C., see Pallon, J. 130 (1997) 454
Yang, C., see Sjöland, K.A. 130 (1997) 20
Yang, C., see Utui, R.J. 130 (1997) 687
Yang, S.-H., see Aton, T. 130 (1997) 507
Yu, K.N., see Tang, S.M. 130 (1997) 396

Zhang, Q., see Chen, Y. 130 (1997) 700
Zhu, J., see Chen, Y. 130 (1997) 700
Zhu, J., see Li, X. 130 (1997) 149
Zhu, J., see Li, X. 130 (1997) 617
Zhu, J., see Wu, X. 130 (1997) 308